Atty, Docket No.: HMV-091.02

IN THE CLAIMS

1-79. (canceled)

80. (currently amended) A compound of formula II:

$$R^{1} \xrightarrow{R^{1}} R^{1} \xrightarrow{R^{1}} X^{Z}$$

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wherein, independently for each occurrence,

n is 0 to 10 inclusive:

R1 is hydrogen or alkyl;

R2 is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

Y is $-C(R_b)_{p-1}$, -C(=O)- or $-C(R_b)_{p}C(=O)$ -;

X is hydrogen, -O-, -S-, -N(Ra)-, -N(Ra)-N(Ra)-, -C(=O)-, -C(=NRa)-, -C(=NOH)-, -C(=S)- or -C(Rb)p-;

Z is absent, hydrogen, alkyl, haloalkyl, aryl, aralkyl, -CN, -OR_b, -(CH₂CH₂O)_pR_b, -C(=O)R_b, -C(=O)CH₂F, -C(=O)CHF₂, -C(=O)CF₃, -C(=O)CHN₂, -C(=O)OR_b,

$$-C(=O)CH_2OC(=O)R_b, -C(=O)C(=C(R_b)_2)R_b, \underbrace{}_{Q} \underbrace{ R_b \atop or} \underbrace{ R_b \atop NR_a ; }_{NR_a} \underbrace{ R_b \atop or} \underbrace{ R_b \atop NR_a ; }_{NR_a} \underbrace{ R_b \atop NR_a} \underbrace{ R_b \atop NR_a ; }_{NR_a} \underbrace{ R_b \atop NR_a} \underbrace{ R_b \atop NR_a ; }_{NR_a} \underbrace{ R_b \atop NR$$

p is 0 to 20 inclusive;

Ra is hydrogen, alkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

=== denotes a single bond, a cis double bond or a trans double bond;

provided that the compound is not 13-cis-retinoic acid, all-trans-retinoic acid or N-(4hydroxyphenyl)retinamide.

 (currently amended) The compound of claim 80, wherein said compound is a [[A]] compound of formula Ha, Hb, He, or IId:

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wherein, independently for each occurrence.

n is 0 to 4 inclusive;

R1 is hydrogen or alkyl;

R³ is hydrogen, halogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkyl, aralkyenyl, aralkynyl, heteroaralkyl, heteroaralkynyl, heteroaralkynyl, heteroaralkynyl, eyano, nitro, sulfhydryl, hydroxyl, sulfonyl, amino, acylamino, amido, alkylthio, carboxyl, carbamoyl, alkoxyl, sulfonyl, and sulfoxido:

R⁴ is absent, hydrogen, halogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkynyl, aralkynyl, heteroaralkyl, heteroaralkynyl, heteroaralkynyl, eyano, nitro, sulfnydryl, hydroxyl, sulfonyl, amino, acylamino, amido, alkylthio, earboxyl, earbamoyl, alkoxyl, sulfonyl, sulfonyl, sulfonyl, and sulfoxido;

Y is
$$-C(=O)$$
- or $-C(R_b)_2$ -;

X is hydrogen, -O-, -S-, -N(R_a)-, -N(R_a)-, -C(=O)-, -C(=N R_a)-, -C(=NOH)-, -C(=S)- or -C(R_a)-;

 $\label{eq:Z} Z \ is \ absent, \ hydrogen, \ alkyl, \ haloalkyl, \ aryl, \ aralkyl, \ -CN, \ -OR_b, \ -C(=O)CH_b, \ -C(=O)CH_2F, \ -C(=O)CH_2, \ -C(=O)CH_2$

$$-C(=O)C(=C(R_b)_2)R_b,$$
 $-C(=O)C(=C(R_b)_2)R_b$

Ra is hydrogen, alkyl, aryl or aralkyl;

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- 82. (canceled)
- 83. (canceled)
- 84. (currently amended) The compound of claim 81 any one of claims-81-83, wherein R¹ is hydrogen or methyl.
- 85. (canceled)
- 86. (canceled)
- (currently amended) The compound of <u>claim 81</u> any one of <u>claims 81-86</u>, wherein Y is -CH₂-
- 88. (currently amended) The compound of <u>claim 81</u> any one of <u>claims 81-87</u>, wherein X is -O-.
- (currently amended) The compound of <u>claim 81</u> any one of <u>claims 81-87</u>, wherein X is -NH-.
- 90. (canceled)
- 91. (canceled)
- (currently amended) The compound of <u>claim 81</u> any one of elaims 81-91, wherein Z is alkyl.
- 93. (canceled)
- (currently amended) The compound of claim 80, wherein said compound is a [[A]]
 compound of formula He, Hf-Hg, or IIh:

Me Me R¹ R¹ R¹
$$\frac{R^1}{n}$$
 $\frac{R^3}{R^3}$ $\frac{R^3}{R^3}$ $\frac{R^3}{R^3}$ $\frac{R^3}{R^3}$ $\frac{R^3}{R^3}$

He Hf

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wherein, independently for each occurrence,

n is 0 to 4 inclusive:

R1 is hydrogen or alkyl;

R² is hydrogen, halogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkyl, aralkyenyl, aralkynyl, heteroaralkyl, heteroaralkynyl, heteroaralkynyl, heteroaralkynyl, eyano, nitro, sulfhydryl, hydroxyl, sulfonyl, amino, acylamino, amido, alkylthio, carboxyl, carbamoyl, alkoxyl, sulfonate, sulfate, sulfonamido, sulfamoyl, sulfonyl, and sulfoxido:

X is hydrogen, -O-, -S-, -N(R_a)-, -N(R_a)-, N(R_a)-, -C(=0)-, -C(=N R_a)-, -C(=NOH)-, -C(=S)- or -C(R_b)₂-;

 $\label{eq:Z} Z \ is \ absent, \ hydrogen, \ alkyl, \ haloalkyl, \ aryl, \ aralkyl, \ -CN, \ -OR_{b_b} \ -C(=O)CH_2F, \ -C(=O)CH_2, \ -C(=O)CH_{2_b}, \ -C($

$$-C(=O)C(=C(R_b)_2)R_b$$
, $-C(=O)C(=C(R_b)_2)R_b$, $-C(=C(C(A))C(=C(A))R_b$, $-C(=C(A))C(=C(A))R_b$, $-C(A)$

Ra is hydrogen, alkyl, aryl or aralkyl; and

Rh is hydrogen, alkyl, haloalkyl, aryl or aralkyl.

- 95. (canceled)
- 96. (canceled)
- (currently amended) The compound of claim 96 any one of claims 94-96, wherein R¹ is hydrogen or methyl.

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98-109. (canceled)

110. (currently amended) The compound of claim 80, wherein said compound is a [[A]]

111. (currently amended) A compound of formula III:

$$R^{1}$$
 R^{1} R^{1} R^{1} X^{-2} R^{2} R^{1} R^{1} R^{1} R^{1}

wherein, independently for each occurrence,

n is 0 to 10 inclusive:

R1 is hydrogen or alkyl;

R2 is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

Y is $-CR_b(OR_b)$ -, $-CR_b(N(R_a)_2)$ -, $-C(R_b)_p$ -, -C(=O)- or $-C(R_b)_pC(=O)$ -;

X is $-O_{-}$, $-S_{-}$, $-N(R_0)_{-}$, $-C(=O)_{-}$, or $-C(R_0)_{n-}$:

$$\begin{split} Z &\text{ is hydrogen, alkyl, haloalkyl, aryl, aralkyl, } -OR_b, -N(R_b)_2, -(CH_2CH_2O)_pR_b, -C(=O)R_b, \\ -C(=NR_a)R_b, -C(=NR_b)R_b, -C(OR_b)(R_b)_2, -C(N(R_a)_2)(R_b)_2 \text{ or } -(CH_2CH_2O)_pR_b; \end{split}$$

p is 0 to 20 inclusive;

Ra is hydrogen, alkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

--- denotes a single bond or a trans double bond;

provided that the compound is not 13-cis-retinoic acid, all-trans-retinoic acid or N-(4-hydroxyphenyl)retinamide.

112. (currently amended) The compound of claim 111, wherein said compound is a [[A]] compound of formula IIIa, IIIb, IIIe or IIId:

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wherein, independently for each occurrence.

n is 0 to 4 inclusive;

R1 is hydrogen or alkyl;

R⁴ is absent, hydrogen, halogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkyl, aralkynyl, heteroaralkyl, heteroaralkyenyl, heteroaralkynyl, cyano, nitro, sulfhydryl, hydroxyl, sulfonyl, amino, acylamino, amido, alkylthio, carboxyl, carbamoyl, alkoxyl, sulfonate, sulfate, sulfonamido, sulfamoyl, sulfonyl, and sulfoxido;

Y is
$$-C(=O)$$
-, $-CR_b(OR_b)$ -, $-CR_b(N(R_a)_2)$ - or $-C(R_b)_2$ -;

Z is hydrogen, alkyl, haloalkyl, aryl, aralkyl, $-OR_b$, $-N(R_b)_2$, $-C(=O)R_b$, $-C(=NR_a)R_b$, $-C(=NOH)R_b$, $-C(OR_b)(R_b)_2$, $-C(N(R_a)_2)(R_b)_2$ or $-(CH_2CH_2O)_pR_b$;

Ra is hydrogen, alkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl;

p is 0 to 10 inclusive; and

=== denotes a single bond or a trans double bond;

provided that the compound is not 13-eis-retinoic acid, all-trans-retinoic acid or N-(4hydroxyphenyl)retinamide.

113. (canceled)

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- 114. (canceled)
- 115. (currently amended) The compound of claim 112 any one of claims 112-114, wherein R¹ is hydrogen or methyl.
- 116. (canceled)
- 117. (canceled)
- 118. (currently amended) The compound of <u>claim 112</u> any one of <u>claims 112-117</u>, wherein X is -O-.
- 119. (currently amended) The compound of <u>claim 112</u> any-one of <u>claims 112-117</u>, wherein X is -NH-
- (currently amended) The compound of <u>claim 112</u> any one of <u>claims 112-117</u>, wherein X is -C(R_b)₂-.
- 121. (canceled)
- (currently amended) The compound of claim 112 any one of claims 112-121, wherein Z is alkyl.
- 123. (canceled)
- 124. (currently amended) The compound of claim 111, wherein said compound is a [[A] compound of formula HIe, HIf, HIg, or IIIh:

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wherein, independently for each occurrence,

n is 0 to 4 inclusive:

R1 is hydrogen or alkyl;

X is
$$-O_{-}$$
, $-S_{-}$, $-N(R_a)_{-}$, $-C(=O)_{-}$, or $-C(R_b)_{2-}$;

Z is hydrogen, alkyl, haloalkyl, aryl, aralkyl, $-OR_b$, $-N(R_b)_2$, $-C(=O)R_b$, $-C(=NR_a)R_b$, $-C(=NOH)R_b$, $-C(OR_b)(R_b)_2$, $-C(N(R_a)_2)(R_b)_2$ or $-(CH_2CH_2O)_bR_b$;

Ra is hydrogen, alkyl, aryl or aralkyl;

R_b is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

p is 0 to 10 inclusive.

- 125. (canceled)
- 126. (canceled)
- 127. (currently amended) The compound of claim 124 any one of claims 124-126, wherein R¹ is hydrogen or methyl.
- 128-135. (canceled)
- 136. (original) A compound of formula IV:

$$\mathsf{Me} \overset{\mathsf{Me}}{\longleftarrow} \mathsf{Me} \overset{\mathsf{Me}}{\longrightarrow} \mathsf{Ne} \mathsf{Ne$$

IV

wherein, independently for each occurrence,

n is 1, 2, 3 or 4;

Y is $-C(R_b)_2$ - or -C(=O)-;

X is -O-, -NR₂-, -C(R_b)₂- or -C(=O)-:

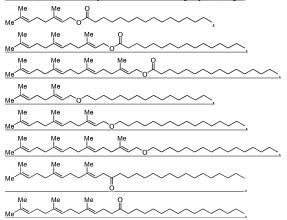
Z is -C(=O)R_b, -OR_b, -N(R_b)₂, alkyl or haloalkyl;

Ra is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl.

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- 137. (original) The compound of claim 136, wherein Y is -CH₂-.
- 138. (currently amended) The compound of claim 136 or claim 137, wherein X is -O-.
- 139. (canceled)
- (currently amended) The compound of <u>claim 136</u> any one of <u>claims 136-138</u>, wherein Z is alkyl.
- 141. (canceled)
- 142. (original) The compound of claim 136, wherein Y is -CH₂-; X is -O-; and Z is alkyl.
- 143. (canceled)
- 144. (canceled)
- 145. (currently amended) A compound having a structure represented by The compound of claim 136, wherein said compound is selected from the group consisting of



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146-158. (canceled)

159. (original) A compound of formula V:

$$\begin{array}{c} \text{Me} & \text{Me} \\ \text{Me} & \text{Me} \\ \text{Me} & \text{V} \end{array}$$

wherein, independently for each occurrence,

n is 1, 2 or 3;

Y is -C(R_b)₂-, -C(=O)- or -CH(OH)-;

X is -O-, -NR_a- or -C(R_b)₂-;

Z is -C(=O)R_b, hydrogen, -(CH₂CH₂O)_pR_b, alkyl or haloalkyl;

Ra is hydrogen, alkyl, haloalkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

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p is 1 to 10 inclusive;

provided that the compound is not 13-cis-retinoic acid, all-trans-retinoic acid or N-(4hydroxyphenyl)retinamide.

- 160. (canceled)
- 161. (original) The compound of claim 159, wherein Y is -C(=O)-.
- 162. (canceled)
- 163. (canceled)
- 164. (currently amended) The compound of <u>claim 159</u> any one of <u>claims 159-162</u>, wherein X is -NR_s-
- 165-168. (canceled)
- (currently amended) A compound having a structure represented by The compound of claim 159, wherein said compound is selected from the group consisting of

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170-256. (canceled)

257. (currently amended) A formulation comprising a <u>first</u> compound <u>and a second</u> compound, wherein said first compound and said second compound are independently selected from the group consisting of:

a compound of formula IIA:

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$$\underbrace{\overset{R^1}{\underset{R^1}{\longleftarrow}}\overset{R^1}{\underset{R^1}{\longleftarrow}}\overset{R^1}{\underset{R^1}{\longleftarrow}}\overset{R^1}{\underset{R^1}{\longleftarrow}}\overset{Y^1}{\underset{R^1}{\longleftarrow}}\overset{Z^1}{\underset{R^1}{\longleftarrow}}$$

IIA

wherein, independently for each occurrence,

n is 0 to 10 inclusive:

R1 is hydrogen or alkyl;

R² is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

 Y^{1} is $-C(R_{b})_{p}$ -, -C(=O)- or $-C(R_{b})_{p}C(=O)$ -;

 X^1 is hydrogen, -O-, -S-, -N(R_a)-, -N(R_a)-, N(R_a)-, -C(=O)-, -C(=N R_a)-, -C(=NOH)-, -C(=S)- or -C(R_a)-;

Z¹ is absent, hydrogen, alkyl, haloalkyl, aryl, aralkyl, -CN, -OR_b,
-(CH₂CH₂O)_BR_b, -C(=O)RB_b, -C(=O)CH₂F, -C(=O)CHF₂, -C(=O)CF₂,
-C(=O)CHN₂, -C(=O)OR_b, -C(=O)CH₂OC(=O)R_b, -C(=O)C(=C(R_b)₂)R_b,

$$\underbrace{\mathbb{R}_{b}}_{O \text{ or }} \underbrace{\mathbb{R}_{b}}_{NR_{a}}$$

p is 0 to 20 inclusive:

Re is hydrogen, alkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

=== denotes a single bond, a cis double bond or a trans double bond;

a compound of formula IIIA;

ША

wherein, independently for each occurrence,

m is 0 to 10 inclusive;

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R3 is hydrogen or alkyl;

R⁴ is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

 \underline{Y}^2 is $-CR_d(OR_d)$ -, $-CR_d(N(R_c)_2)$ -, $-C(R_d)_p$ -, -C(=O)- or $-C(R_d)_pC(=O)$ -;

 X^2 is -O-, -S-, -N(R_c)-, -C(=O)-, or -C(R_d)_p-;

 Z^2 is hydrogen, alkyl, haloalkyl, aryl, aralkyl, $-OR_{d_1} - N(R_{d_2})_2 - (CH_2CH_2O)_RR_{d_3}$ $-C(=O)R_{d_3} - C(=NR_{e_3})R_{d_3} - C(=NOR_{d_3})R_{d_3} - C(OR_{e_3})(R_{e_3})_2$, $-C(N(R_{e_3})_2)(R_{d_3})_2$ or $-(CH_2CH_2O)_nR_{d_3}$

p is 0 to 20 inclusive;

Re is hydrogen, alkyl, aryl or aralkyl;

Rd is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

=== denotes a single bond or a trans double bond;

a compound of formula IVA:

wherein, independently for each occurrence,

g is 1, 2, 3 or 4;

 Y^3 is $-C(R_f)_2$ - or -C(=O)-;

 X^3 is -O-, -NR_e-, -C(R_f)₂- or -C(=O)-;

 Z^3 is $-C(=O)R_f$, $-OR_f$, $-N(R_f)_2$, alkyl or haloalkyl;

Re is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

Rf is hydrogen, alkyl, haloalkyl, aryl or aralkyl;

or a compound of formula VA:

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$$\underbrace{\begin{array}{c} \text{Me} & \text{Me} \\ \text{Me} \end{array}}_{\text{Me}} \underbrace{\begin{array}{c} \text{Me} \\ \text{r} \end{array}}_{\text{r}} x^4 - z^4$$

VA

wherein, independently for each occurrence,

r is 1, 2 or 3:

 Y^4 is $-C(R_h)_2$ -, -C(=O)- or -CH(OH)-;

X4 is -O-, -NRo- or -C(Rh)2-;

Z⁴ is -C(=O)R_h, hydrogen, -(CH₂CH₂O)_pR_h, alkyl or haloalkyl;

Rg is hydrogen, alkyl, haloalkyl, aryl or aralkyl;

Rh is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

p is 1 to 10 inclusive;

provided that the defined by any one of claims 51-257, and a second compound[[,]] is different from the first compound, also as defined by any one of claims 51-257.

258-264. (canceled)

265. (new) A method for treating or preventing an ophthalmologic disorder in a subject comprising administering to a subject a pharmaceutically acceptable amount of a compound selected from the group consisting of:

a compound of formula IIA:

$$R^{2}$$
 R^{1}
 R^{1}
 R^{1}
 R^{1}
 R^{1}
 R^{1}
 R^{1}
 R^{1}
 R^{1}

ПΑ

wherein, independently for each occurrence,

n is 0 to 10 inclusive:

R1 is hydrogen or alkyl;

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R² is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

 Y^1 is $-C(R_b)_{p-1}$, -C(=O)- or $-C(R_b)_{p}C(=O)$ -;

 X^1 is hydrogen, -O-, -S-, -N(R_a)-, -N(R_a)-N(R_a)-, -C(=O)-, -C(=NRa)-, -C(=NOH)-, -C(=S)- or -C(R_a)-,-:

$$\begin{split} Z^1 & \text{ is absent, hydrogen, alkyl, haloalkyl, aryl, aralkyl, -CN, -OR_b,} \\ & \text{-(CH}_2\text{CH}_2\text{O})_p R_b, \text{-C(=O)} R_b, \text{-C(=O)} \text{CH}_2 F, \text{-C(=O)} \text{CHF}_2, \text{-C(=O)} \text{CF}_3,} \\ & \text{-C(=O)} \text{CHN}_2, \text{-C(=O)} \text{OR}_b, \text{-C(=O)} \text{CH}_2 \text{OC(=O)} R_b, \text{-C(=O)} \text{C(=C(R_b)}_2) R_b,} \end{split}$$

$$\{ - \{ \{ \{ \{ \} \} \} \} \}$$

p is 0 to 20 inclusive;

Ra is hydrogen, alkyl, aryl or aralkyl;

Rb is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

=== denotes a single bond, a cis double bond or a trans double bond;

a compound of formula IIIA:

$$R^{4} \xrightarrow[R^{3} \quad R^{3} \quad R^{3}]{}_{m} Y^{2} - X^{2} - Z^{2}$$

ША

wherein, independently for each occurrence,

m is 0 to 10 inclusive;

R3 is hydrogen or alkyl;

R⁴ is hydrogen, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, aryl, or aralkyl;

$$Y^2 \text{ is -CR}_d(OR_d)\text{--, -CR}_d(N(R_c)_2)\text{--, -C}(R_d)_p\text{--, -C}(=O)\text{- or -C}(R_d)_pC(=O)\text{--;}$$

$$X^2$$
 is -O-, -S-, -N(R_c)-, -C(=O)-, or -C(R_d)_p-;

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$$\begin{split} Z^2 &\text{ is hydrogen, alkyl, haloalkyl, aryl, aralkyl, -OR_d, -N(R_d)_2, -(CH_2CH_2O)_pR_d, -C(=O)R_d, -C(=NR_c)R_d, -C(=NOR_d)R_d, -C(OR_d)(R_d)_2, -C(N(R_c)_2)(R_d)_2 \text{ or } -(CH_2CH_2O)_pR_d; \end{split}$$

p is 0 to 20 inclusive;

Rc is hydrogen, alkyl, aryl or aralkyl;

Rd is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

=== denotes a single bond or a trans double bond;

a compound of formula IVA:

wherein, independently for each occurrence,

g is 1, 2, 3 or 4;

 Y^3 is $-C(R_f)_2$ - or -C(=O)-;

 X^3 is -O-, -NR_o-, -C(R_o)₂- or -C(=O)-;

 Z^3 is $-C(=O)R_f$, $-OR_f$, $-N(R_f)_2$, alkyl or haloalkyl;

Re is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

Rf is hydrogen, alkyl, haloalkyl, aryl or aralkyl;

or a compound of formula VA:

Me Me Me
$$Y^4 - X^4 - Z^4$$

VA

wherein, independently for each occurrence,

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p is 1 to 10 inclusive.

$$Y^4$$
 is -C(R_h)₂-, -C(=O)- or -CH(OH)-;
$$X^4$$
 is -O-, -NR_g- or -C(R_h)₂-;
$$Z^4$$
 is -C(=O)R_h, hydrogen, -(CH_2CH_2O)_pR_h, alkyl or haloalkyl;
$$R_g$$
 is hydrogen, alkyl, haloalkyl, aryl or aralkyl;
$$R_h$$
 is hydrogen, alkyl, haloalkyl, aryl or aralkyl; and

- (new) The method of claim 265, wherein the ophthalmologic disorder is a macular degeneration.
- 267. (new) The method of claim 265, wherein the ophthalmologic disorder is Stargardt's disease.
- (new) The method of claim 265, wherein the ophthalmologic disorder is lipofuscin accumulation.
- 269. (new) The method of claim 265, wherein a second drug different from the first drug is used in the preparation of the medicament.
- 270. (new) The method of claim 269, wherein the second drug inhibits, antagonizes, or short-circuits the visual cycle at a step of the visual cycle that occurs outside a disc of a rod photoreceptor cell.
- 271. (new) A method of treating or preventing an ophthalmologic disorder in a subject comprising administering to a subject a pharmaceutically acceptable amount of fenretinide or a pharmaceutically acceptable salt thereof.
- 272. (new) The method of claim 271, wherein fenretinide inhibits, antagonizes, or short-circuits the visual cycle at a step of the visual cycle that occurs outside a disc of a rod photoreceptor cell.
- (new) The method of claim 271, wherein the ophthalmologic disorder is macular degeneration.
- 274. (new) The method of claim 271, wherein the ophthalmologic disorder is Stargardt's disease

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- (new) The method of claim 271, wherein the ophthalmologic disorder is lipofuscin accumulation.
- 276. (new) The method of claim 271, wherein fenretinide increases the rate at which 11-cisretinal is isomerized to all-trans-retinal; inhibits, antagonizes, or short-circuits the visual cycle in the retinal pigment epithelium; inhibits at least one of lecithin retinol acyl transferase, isomerohydrolase, and 11-cis-retinol dehydrogenase, or inhibits binding to RPE65.
- 277. (new) The method of claim 271, wherein a second drug different from the first drug is used in the preparation of the medicament.
- 278. (new) The method of claim 277, wherein the second drug inhibits, antagonizes, or short-circuits the visual cycle at a step of the visual cycle that occurs outside a disc of a rod photoreceptor cell.
- 279. (new) The method of claim 277, wherein both fenretinide and the second drug inhibit or antagonize a step of the visual cycle that occurs outside a disc of a rod photoreceptor cell.

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